

# Shenandoah National Park Education Program

## Watersheds Pre-Visit/Post-Visit Assessment

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the one best answer. Circle the letter of your choice.

1. A *watershed* is \_\_\_\_\_.
  - a. a stream or lake
  - b. a building where water is collected for study
  - c. a location where two or more bodies of water are found
  - d. the area draining into a river, river system, or other body of water
  
2. A stream that flows into another stream or body of water is called a \_\_\_\_\_.
  - a. wastewater
  - b. runoff
  - c. tributary
  - d. salt marsh
  
3. Which of these is NOT an *abiotic* factor influencing the pH of a stream?
  - a. Limestone rocks
  - b. Acid rain
  - c. Plants
  - d. Temperature
  
4. Which of the following indicates a high level of acidity?
  - a. pH=3
  - b. pH=7
  - c. pH=9
  - d. both a and b
  
5. Animals with no backbones and large enough to be observed without the aid of a microscope are called \_\_\_\_\_.
  - a. fish
  - b. macroinvertebrates
  - c. amphibians
  - d. salamanders

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6. Factories may dump harmful sewage into a waterway causing \_\_\_\_\_.
  - a. evaporation
  - b. condensation
  - c. pollution
  - d. erosion
  
7. Which of the following determines the boundary or perimeter of a watershed?
  - a. Weather patterns
  - b. Roads
  - c. Ridgelines
  - d. Agricultural land use
  
8. Which of the following would NOT have a harmful effect on a stream?
  - a. Cows standing in the water to cool off
  - b. Humans throwing their leftover lunch in the water
  - c. Pesticides sprayed on crops along the river bank
  - d. Deciduous trees dropping leaves in the Fall
  
9. Shenandoah National Park provides a clean water source for all these Virginia watersheds *except* \_\_\_\_\_.
  - a. York River
  - b. Rappahannock River
  - c. Shenandoah River
  - d. James River
  
10. A factor that can affect water quality in Shenandoah National Park is \_\_\_\_\_.
  - a. acid rain
  - b. flood
  - c. human activity
  - d. all of the above

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## Watersheds Pre-Visit/Post-Visit Assessment Answer Key

1. A *watershed* is \_\_\_\_\_.  
d. **the area draining into a river, river system, or other body of water**
2. A stream that flows into another stream or body of water is called a \_\_\_\_\_.  
c. **tributary**
3. Which of these is NOT an *abiotic* factor influencing the pH of a stream?  
c. **Plants**
4. Which of the following indicates a high level of acidity.  
a. **pH=3**
5. Animals with no backbones and large enough to be observed without the aid of a microscope are called \_\_\_\_\_.  
b. **macroinvertebrates**
6. Factories may dump harmful sewage into a waterway causing \_\_\_\_\_.  
c. **pollution**
7. Which of the following determines the boundary or perimeter of a watershed?  
c. **Ridgelines**
8. Which of the following would NOT have a harmful effect on a stream?  
d. **Deciduous trees dropping leaves in the Fall**
9. Shenandoah National Park provides a clean water source for all these Virginia watersheds *except* \_\_\_\_\_.  
a. **York River**
10. A factor that can affect water quality in Shenandoah National Park is \_\_\_\_\_.  
d. **all of the above**